# THE BOTTOMONIUM SYSTEM

The level scheme of the $b\overline{b}$ states showing experimentally established states wit
called $\eta_b$ and $h_b$, triplet states $\Upsilon$ and $\chi_{bJ}$. In parentheses it is sufficient to give t
the orbital angular momentum to specify the states with all their quantum nun
with $n = 2$, $L = 1$, $S = 0$, $J = 1$, $PC = +-$. If found, $D$-wave states would
with $J$ = 1,2,3 and $n = 1, 2, 3, 4, \cdots$. For the $\chi_b$ states, the spins of only the $\chi$
experimentally established. The spins of the other $\chi_b$ are given as the preferred v
models. The figure also shows the observed hadronic and radiative transitions.

CITATION: S. Eidelman *et al.* (Particle Data Group), Phys. Lett. B **592**, 1 (2004) (URL: http://pdg.lbl.gov)